

LED Intelligent Dimming Driver

75W 6.25A 12V DC

- Apply to leading edge and trailing edge TRIAC dimmers.
- PWM digital dimming, no alter LED color temperature.
- Dimming range from 0-100%, LED start at 0.1% possible.
- Efficiency > 85%.
- Short circuit / Over-temperature / Over load protection.
- Metal housing.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor environments.



SELV



RoHS



Main Characteristics

Dimming Interface:	Triac, Push Dim	Operating Voltage:	12V DC \pm 0.5V DC
Dimming Range:	0~100%, LED start at 0.1% possible.	Max Output Power:	75W
Input Voltage Range:	200~240Vac \pm 10%	Overload Power Limitation	0.95~1.20
Input Current:	230Vac \leq 0.8A	Working Temperature.:	-30 ~ +60°C
Frequency:	50Hz	Working Humidity:	20 ~ 95%RH, non-condensing
Efficiency:	\geq 85%	Storage Temp., Humidity:	-40 ~ +80°C, 10~95%RH
Inrush Current(typ.):	Cold start 60A at 230Vac (twidth=525 μ s measured at 50% Ipeak)	Temp. Coefficient:	\pm 0.03%/°C(0~50°C)
Leakage Current:	<0.5mA/230Vac	Vibration:	10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes
Current Load:	Max. 6.25A		

* The dimming range parameters adopted LUTRON[®] dimming system as testing standards. The parameters may differ by using Triac/ELV dimming systems of different brands. We can customize program for clients' high requirements.

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Protection

Short Circuit / Over Temperature / Over Load: Auto recovery

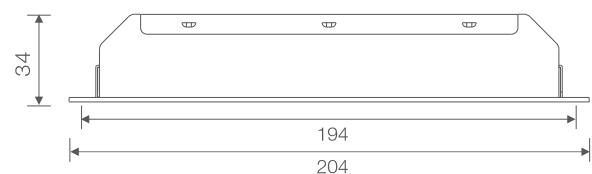
Others

Dimension:	204×62×34mm(L×W×H)
Packing:	206×64×39mm(L×W×H)
Weight[G.W.]:	440g \pm 10g

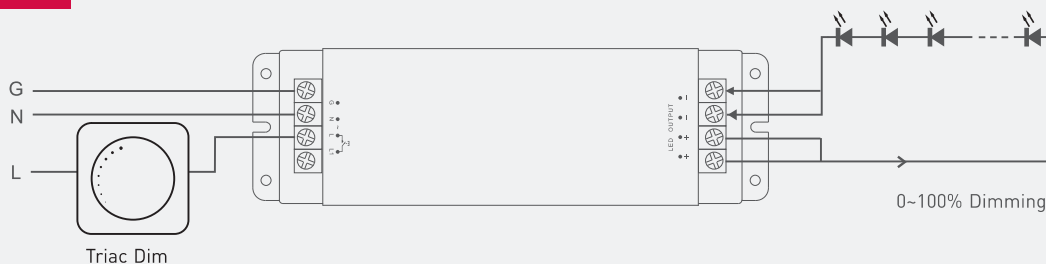
Safety & EMC

Withstand Voltage:	I/P-O/P: 3000Vac I/P-FG: 2000Vac O/P-FG: 500Vac
Isolation Resistance:	I/P-O/P: 100M Ω /500VDC/25°C/70%RH
Safety Specification:	IEC/EN61347-1, IEC/EN61347-2-13, EN61000-3-2, EN61000-4-2,3,4,5,6,8,11.

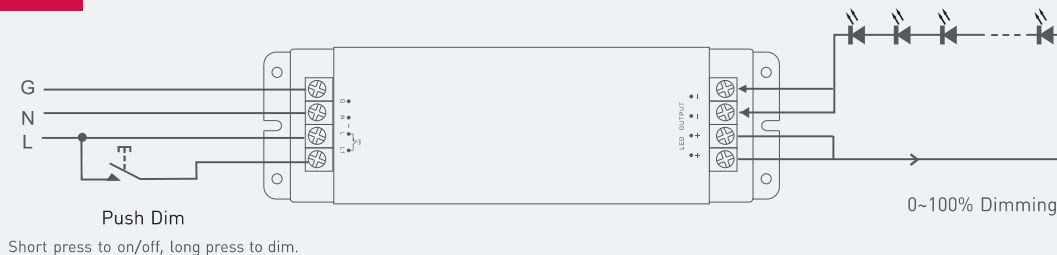
Dimensions



Triac Connection



Push Dim Connection



The dimming interface priority: First Triac, next Push Dim.

Push Dimming



Reset Switch

- On/off control: Short press.
- Stepless dimming: Long press.
- For fine tuning of light level: with every other long press, the light level goes to the opposite direction.
- Dimming memory: Brightness will be the same as previously adjusted when turning off and on again.

Attention:

- Before use, please make sure the LED driver output voltage matches with the LED lights. improper voltage will damage the LED lights or influence the luminous efficiency.
- Good heat dissipation can prolong the life of the LED driver. Please try to install the LED driver on the metal surface and use in well-ventilated environment.
- The wire size shall be big enough to load the power with solid connection to LED driver.
- If a malfunction occurs, do not repair by yourself. For any question, please contact the supplier directly.